

## Catch Basin 5 Summary – Terminal 117 EAA Site

### Current (2008) drainage

Currently, only runoff from the T-117 property or emergency overflow from the adjacent roadways enters on the onsite drainage system. Runoff from the central and southern portions of T-117 (approximately 2.3 acres) drain to catch basin 5 (CB-5). Catch basins 2, 3, 4 and 6 are connected to and drain into CB-5 before discharging through an outfall and into the river, as shown on the attached map. The 6-inch diameter outfall for CB-5 discharges to the LDW through the riprap bank along the southern portion of the site.

Runoff from the interior central portion of the site flows to CB-2, which discharges to the location of the 1999 TCRA and flows overland to CB-3. CB-3 also collects runoff from the central shoreline portion of the site and discharges to CB-4, which also collects runoff from the central shoreline portion of the site and discharges to CB-5. Some (<0.5 acres) drainage from Dallas Avenue South and the east terminus of Donovan Street flows T-117 and is collected by CB-6, which flows to CB-5. CB-6 discharges to culvert that runs along the north side of the south building and discharges to the paved driveway area. The runoff then flows overland to CB-5 and then to the LDW.

In December 2004, the City installed a temporary stormwater collection and treatment system to control runoff from the newly paved streets and associated nearly 2-acre catchment area adjacent to the T-117 Upland Area. As a temporary measure, runoff from the new system was initially collected, pumped to holding tanks, and treated prior to discharging to the combined sewer system. The treatment system was removed in April 2005 because PCBs were only detected in the first samples collected immediately after the interim action was completed. PCBs were not detected in any of the stormwater samples collected between February and April 2005. Under normal conditions, runoff from the roadways is discharged to the combined sewer system. Because of limited capacity in the combined sewer, stormwater is stored in five 18,000-gal. storage tanks and released to the sewer at a controlled rate during dry weather conditions. The storage tanks are designed to hold runoff from up to a 10-year storm event. As part of the discharge authorization, SPU tests stormwater each month for PCBs. Since January 2005, PCBs have been detected in 1 of the monthly samples at a concentration of 0.12 ug/L. The City has received permission from the Port to discharge runoff to the T-117 CB-5 drainage system as an emergency overflow during the rainy season. Since 2005, 12 of these emergency discharge events have occurred.

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### Analytical data

#### **Total PCBs in T-117 catch basin samples associated with CB-5**

Sample ID	Sample Type	Sample Date	PCBs (total calc'd)
			mg/kg dw
CB-2	N	10/10/2006	19
CB-3	N	10/9/2006	11
CB4-	N	3/4/2004	0.62
	FD	3/4/2004	0.89
CB-4	N	10/9/2006	19
CB5	N	12/9/2003	50
CB5-OUT <sup>a</sup>	N	12/12/2003	1.4
CB-5	N	10/9/2006	2.7 J
	FD	10/9/2006	2
CB6	N	3/2/2004	0.14

<sup>a</sup> Soil collected from material accumulating around CB-5

FD – field duplicate

N - normal sample

#### Catch basin clean out dates (All T-117 CBs)

- December 2004
- September 2006 (pre 2006 TCRA)
- October 2006 (post 2006 TCRA)